



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.4001

Job Sheet 208674



Part No: 646.4001

Job Qty: 1 pcs

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/30/20

Job Tracking No:

Due Date: 4/30/20

Created By: Marie Lajeunesse

Type: Stock

Description: SIOP

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B
DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs		4/30/20	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3 ✓		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		



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CANADA
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Container No: S269682



Part: 646.4001

Job No: 208674

Serial No/Batch: S269682

Revision:

Inspector:

Exp Date: 09/05/2020

Instructions: FAA STC SR02180LA 14/08/07 T6 STC SH09

Plex 3/30/20 10:55 AM Dart.lajeunesse.marie

120	QC 4	1 pcs	4/30/20	0.00 0.00	Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
					Packaging 1 - 37	
					QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	68-6
					QC 4 - 46	69
					QC 4 - 68	SVQ
					QC 4 - 72	
					QC 4 - 74	
					QC 4 - 75	
					QC 4 - 78	
130	Packaging 3-1 - Stock - B4B	1 pcs	4/30/20	0.00 0.00	QC 4 - 84	
					QC 4 - 80	
					QC 4 - 85	
					Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	68-6
					Packaging 3 - 13 - B4B	69
					Packaging 3 - 14 - B4B	SVQ
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
					Packaging 3 - 37 - B4B	
135	DC - 1 - B4B	1 pcs	4/30/20	0.00 0.00	DC - 1 - B4B	
					DC - 2 - B4B	

140 QC 21 - FG	1 pcs	4/30/20	0.00 0.00	QC 21 - FG - 21	
				QC 21 - FG - 70	
				QC 21 - FG - 53	

Part Op 110 - pick kit
 Descriptions: 120 - QC4- 100% Inspect kits for completeness
 130 - Identify and pack for shipping as per PPP 646.4001 Location:
 135 - Document Control - Photocopy bluefile & type labels per PPP 646.4001
 140 - QC21- Final Inspection - Work Order Release

(015388)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129 ✓	VHB Tape	8 ft (8 ea) ✓	110-Packaging 1 - Pick Kit	6215203 ✓
600.0990 ✓	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5248655 ✓ (09-30-2020)
600.0991 ✓	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5248659 ✓ (09-30-2020)
600.1012 ✓	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5258474 ✓ (10-31-2020)
600.1013 ✓	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea) ✓	110-Packaging 1 - Pick Kit	5221172 ✓ (11-23-2020)
646.2910 ✓	Deflector	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5243004 ✓
646.3001 ✓	Lower Cable Cutter Assembly	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5243883 ✓
646.3110 ✓	Channel	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5222265 ✓ 5233062 ✓
646.3210 ✓	Support	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5221454 ✓
646.3301 ✓	Upper Cutter Assembly	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5250764 ✓
646.3510 ✓	Strut	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5218952 ✓
646.3511 ✓	Strut	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5218695 ✓
646.3610 ✓	Filler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5230345 ✓
646.3710 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5244287 ✓
646.3711 ✓	Clip	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5218358 ✓
646.3712 ✓	Clip	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5219276 ✓
646.3713 ✓	Gusset	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5219291 ✓
646.3714 ✓	Gusset	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5197814 ✓
646.3715 ✓	Strut Doubler	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5218112 ✓
646.3716 ✓	Gauge Bracket	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5233890 ✓
646.3717 ✓	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5235110 ✓
646.3718 ✓	Custom Washer	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5170684(x1) 5219261(x1) ✓
646.3719 ✓	Doubler	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5218795 ✓
646.3810 ✓	Bracket	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5233924 ✓
646.3811 ✓	Radius Block	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5229075 ✓
646.3812 ✓	Gusset Bracket	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5236995 ✓
646.3813 ✓	AS350 Strut Bracket	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5234869 ✓
646.3910 ✓	Shim	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	5236294 ✓
646.3911 ✓	Shim	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5220038 ✓
646.3912 ✓	Shim	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	5218106 ✓
646.3913 ✓	Shim	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5218110 ✓
646.9410 ✓	Shim	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	5056998 ✓
647.0112 ✓	Strut Bracket	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5258631 ✓
647.7703 ✓	Strut Assembly	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5258162 ✓
650.9201 ✓	Eyelet Bracket Assembly	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	5239706 ✓
AN3-11A ✓	Bolt	10 Ea (10 ea) ✓	110-Packaging 1 - Pick Kit	5249339(x4) 5228829(x6) ✓
AN3-12A ✓	Bolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5166926 ✓
AN3-13A ✓	Bolt	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	5228738 ✓
AN3-3A ✓	Bolt	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	5253401 ✓
AN3-4A ✓	Bolt	10 Ea (10 ea) ✓	110-Packaging 1 - Pick Kit	5253438 ✓
AN3-5A ✓	Bolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5255501 ✓
AN3-6A ✓	Bolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5194345 ✓
AN316C4R ✓	Nut, Jam	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5237720 ✓
AN44-5A ✓	Eyebolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5216370 ✓
AN4C7A ✓	Bolt	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5222261 5251071 ✓
AN665-34R ✓	Clevis	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	5239635 ✓
CCR264SS3-02 ✓	Cherry Rivet	36 Ea (36 ea) ✓	110-Packaging 1 - Pick Kit	5255090 ✓
CR3213-5-3 ✓	Cherry Rivet	14 Ea (14 ea) ✓	110-Packaging 1 - Pick Kit	5231329 ✓
MS20426AD5-7 ✓	Rivet	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	F133922 ✓
MS20470AD5-5-5 ✓	Rivet	8 Ea (8 ea) ✓	110-Packaging 1 - Pick Kit	5155675 ✓
MS20470AD5-6 ✓	Rivet	8 Ea (8 ea) ✓	110-Packaging 1 - Pick Kit	5048897 ✓

MS20470AD5-7 ✓	Rivet	3 Ea (3 ea) ✓	110-Packaging 1 - Pick Kit	S203251 ✓
MS21042L08 ✓	Nut	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S250462 ✓
MS21042L3 ✓	Nut	63 Ea (63 ea) ✓	110-Packaging 1 - Pick Kit	S248081 ✓
MS21042L4 ✓	Nut	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S265315 ✓
MS21047-3 ✓	Nut Plate	18 Ea (18 ea) ✓	110-Packaging 1 - Pick Kit	S257794 ✓
MS24693-C278 ✓	Screw	5 Ea (5 ea) ✓	110-Packaging 1 - Pick Kit	S235148 ✓
MS24694-S51 ✓	Screw	5 Ea (5 ea) ✓	110-Packaging 1 - Pick Kit	S185069 ✓
MS24694-S54 ✓	Screw	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S268679 ✓
MS24694-S55 ✓	Screw	3 Ea (3 ea) ✓	110-Packaging 1 - Pick Kit	S247925 ✓
MS27039-08-13 ✓	Screw	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S247871 ✓
MS27039-1-10 ✓	Screw	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S231296 ✓
MS27039-1-12 ✓	Screw	6 Ea (6 ea) ✓	110-Packaging 1 - Pick Kit	S231298 ✓
MS27039-1-16 ✓	Screw	24 Ea (24 ea) ✓	110-Packaging 1 - Pick Kit	S157063 ✓
MS27039-1-19 ✓	Screw	22 Ea (22 ea) ✓	110-Packaging 1 - Pick Kit	S243417 ✓
MS27039-1-20 ✓	Screw	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S228014 ✓
MS27039-1-21 ✓	Screw	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S171793 ✓
NAS1149F0332P ✓	Washer (AN960-10L)	144 Ea (144 ea) ✓	110-Packaging 1 - Pick Kit	S264512 ✓
NAS1149F0363P ✓	Washer (AN960-10)	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S075330 ✓
NAS1149F0432P ✓	Washer (AN960-416L)	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S259479 ✓
NAS1149FN832P ✓	Washer (AN960-8)	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S248080 ✓

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.0129	8	282	0
	600.0990	1	42	0
	600.0991	1	45	0
	600.1012	1	38	0
	600.1013	5	130	0
	646.2910	1	11	0
	646.3001	1	12	0
	646.3110	1	14	0
	646.3210	1	10	0
	646.3301	1	10	0
	646.3510	1	19	0
	646.3511	1	17	0
	646.3610	1	32	0
	646.3710	1	30	0
	646.3711	1	12	0
	646.3712	1	18	0
	646.3713	1	17	0
	646.3714	1	18	0
	646.3715	2	43	0
	646.3716	1	33	0
	646.3717	1	19	0
	646.3718	2	23	0
	646.3719	2	8	0
	646.3810	2	43	0
	646.3811	1	26	0
	646.3812	2	44	0
	646.3813	1	25	0
	646.3910	4	5	0
	646.3911	1	34	0
	646.3912	4	7	0
	646.3913	1	11	0
	646.9410	1	29	0
	647.0112	2	182	0
	647.7703	2	24	0
	650.9201	2	21	0
	AN3-11A	10	263	0
	AN3-12A	2	118	0
	AN3-13A	1	48	0
	AN3-3A	4	290	0
	AN3-4A	10	390	0
	AN3-5A	2	248	0
	AN3-6A	2	199	0
	AN316C4R	2	98	0
	AN44-5A	2	36	0
	AN4C7A	2	250	0

AN665-34R	2	107	0
CCR264SS3-02	36	604	0
CR3213-5-3	14	477	0
MS20426AD5-7	2	447	0
MS20470AD5-5-5	8	609	0
MS20470AD5-6	8	401	0
MS20470AD5-7	3	963	0
MS21042L08	2	1,318	0
MS21042L3	63	1,848	0
MS21042L4	2	2,713	0
MS21047-3	18	432	0
MS24693-C278	5	91	0
MS24694-S51	5	169	0
MS24694-S54	2	115	0
MS24694-S55	3	320	0
MS27039-08-13	2	205	0
MS27039-1-10	2	266	0
MS27039-1-12	6	177	0
MS27039-1-16	24	464	0
MS27039-1-19	22	632	0
MS27039-1-20	2	93	0
MS27039-1-21	4	131	0
NAS1149F0332P	144	3,855	0
NAS1149F0363P	2	667	0
NAS1149F0432P	4	1,456	0
NAS1149FN832P	4	3,373	0

Part Specifications

Specifications could not be found.

Plex 3/30/20 10:55 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

ENGINEERING CHANGE NOTICE NO.		05304		SHEET 1 OF 1					
DWG NO.	646.4000	REV:	C	PREPARED BY	J. BECKER	DATE:	02/04/16	EFFECT ON DWG ☐ INC. ☒ UNINC.	
DWG TITLE: AS350 CABLE CUTTERS KIT									
APPROVED BY:	ENGR. <i>[Signature]</i>	MFG	<i>[Signature]</i>	QC	<i>[Signature]</i>	EFF. NEXT ORDER			
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED F/N 12.						ECR: N/A	

ACTION ITEM: 1. N/A

SHEET 1, BOM IS:

12	R	601.1624	8	16	LOCKNUT	MS21042L3	
F/N/TC	PART NUMBER	4006	4005		DESCRIPTION	MATERIAL	SPECIFICATION
		QTY					
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

THE INFORMATION CONTAINED BY THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

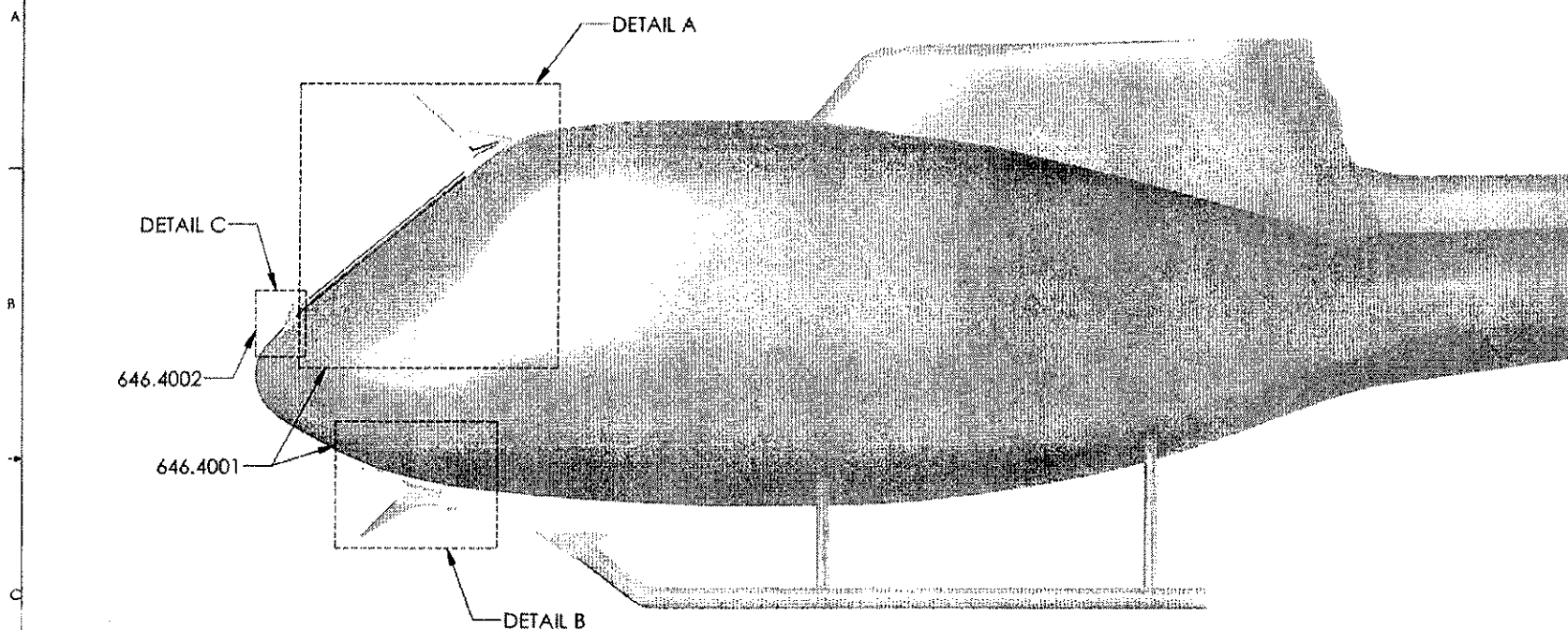
5	5	5	78	601.3875	SCREW	AS27039-1-10				
1	1	1	77	646.9410	SHIM	AS27039-1-10				
	4	4	76	601.2764	WASHER	AS27039-1-10				
	2	2	75	601.2973	LOCKNUT	AS27039-1-10				
	2	2	74	601.2988	SCREW	AS27039-1-10				
	2	2	73	601.2943	LOCKNUT	AS27039-1-10				
	2	2	72	601.3126	NUT	AS27039-1-10				
	2	2	71	601.3209	LOCKNUT	AS27039-1-10				
	4	4	70	601.2636	WASHER	AS27039-1-10				
	2	2	69	601.2669	BOLT	AS27039-1-10				
	2	2	68	601.3119	CLEVIS	AS27039-1-10				
	2	2	67	601.3121	EYE BOLT	AS27039-1-10				
	2	2	66	650.9201	EYE BRACKET ASSY	AS27039-1-10				
REF	REF	REF	65	647.5701	GPS MOUNT KIT	AS27039-1-10				
		2	64	601.3151	WASHER	AS27039-1-10				
		2	63	601.2911	SCREW	AS27039-1-10				
	24	24	62	601.2637	SCREW	AS27039-1-10				
2	2	2	61	601.2763	BOLT	AS27039-1-10				
	1	1	60	646.3913	SHIM	AS27039-1-10				
	4	4	59	646.3912	SHIM	AS27039-1-10				
	1	1	58	646.3911	SHIM	AS27039-1-10				
	4	4	57	646.3910	SHIM	AS27039-1-10				
	5	5	56	600.1013	PRIMER	AS27039-1-10				
	8 FT	8 FT	55	600.0129	VHB TAPE	AS27039-1-10				
	1	1	54	600.1012	SEALANT	AS27039-1-10				
	1	1	53	600.0991	MAGNABOND 6893 PART B	AS27039-1-10				
	1	1	52	600.0990	MAGNABOND 6893 PART A	AS27039-1-10				
6	10	10	51	601.2826	BOLT	AS27039-1-10				
		2	50	646.3814	WIPER BRACKET	AS27039-1-10				
		2	49	601.2910	SCREW	AS27039-1-10				
	2	2	48	601.1365	SCREW	AS27039-1-10				
	2	2	47	646.3719	DOUBLER	AS27039-1-10				
	2	2	46	646.3718	CUSTOM WASHER	AS27039-1-10				
	1	1	45	646.3717	DOUBLER	AS27039-1-10				
	22	22	44	601.1948	SCREW	AS27039-1-10				
	2	2	43	601.1952	SCREW	AS27039-1-10				
	4	4	42	601.1956	SCREW	AS27039-1-10				
4005	4003	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 05304, 05305, 05306 & 05307	07/06/2016	P. BRAYO
B	INCORPORATED ECN 05308, 05309 & 05310	11/04/2016	P. BRAYO
C	INCORPORATED ECN 05311	09/07/2016	P. BRAYO

		2		2	41	601.2829	SCREW	MS27039-1-12		
		2		2	40	601.2831	RIVET	MS27040-1-12-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2	2		2	37	646.3715	STRUT DOUBLER			
		2		2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	COC2460-3-02		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS27040-1-12-5-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS27040-1-12-5-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3	3		3	26	601.2830	SCREW	MS2469-4-55		
	2	2		2	25	601.2825	BOLT	AN3-6A		
	1	1		1	24	646.3811	RADIUS BLOCK			
	1	1		1	23	646.3712	CLIP			
	1	1		1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS27040-1-12-5-6		
14	14			14	20	601.2020	RIVET	C-1521-5-5-1		
4	6	4	5	10	19	601.2823	BOLT	AN3-4A		
	1	1	1	1	18	601.2827	BOLT	AN3-1,3A		
	5	5		5	17	601.2912	SCREW	MS2469-4-551		
1	1			1	16	646.3713	GUSSET			
1				1	15	646.3210	SUPPORT			
		1		1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	AN321-042L3	
16	32	18	120	16	144	11	601.1607	WASHER	AN311-0403230	
					10	646.3410	LH WIPER DEFLECTOR			
				1	9	646.3411	RH WIPER DEFLECTOR			
		2		2	8	647.7703	STRUT ASSY			
		2		2	7	647.0112	STRUT BRACKET			
	1	1		1	6	646.3511	STRUT			
	1	1		1	5	646.3510	STRUT			
2	2			2	4	646.3810	BRACKET			
		1		1	3	646.2910	DEFLECTOR			
	1	1		1	2	646.3001	LOWER CUTTER ASSY			
		1		1	1	646.3301	UPPER CUTTER ASSY			
X						646.4006	LOWER CUTTER FIXED PROVISIONS KIT			
	X					646.4005	LOWER CUTTER REMOVABLE PROVISIONS KIT			
		X				646.4004	FIXED PROVISIONS KIT			
			X			646.4003	CABLE CUTTERS FEEDBACK KIT			
				X		646.4002	AS350 WIPER DEFLECTOR KIT			
				X		646.4001	AS350 CABLE CUTTERS KIT			
4005	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

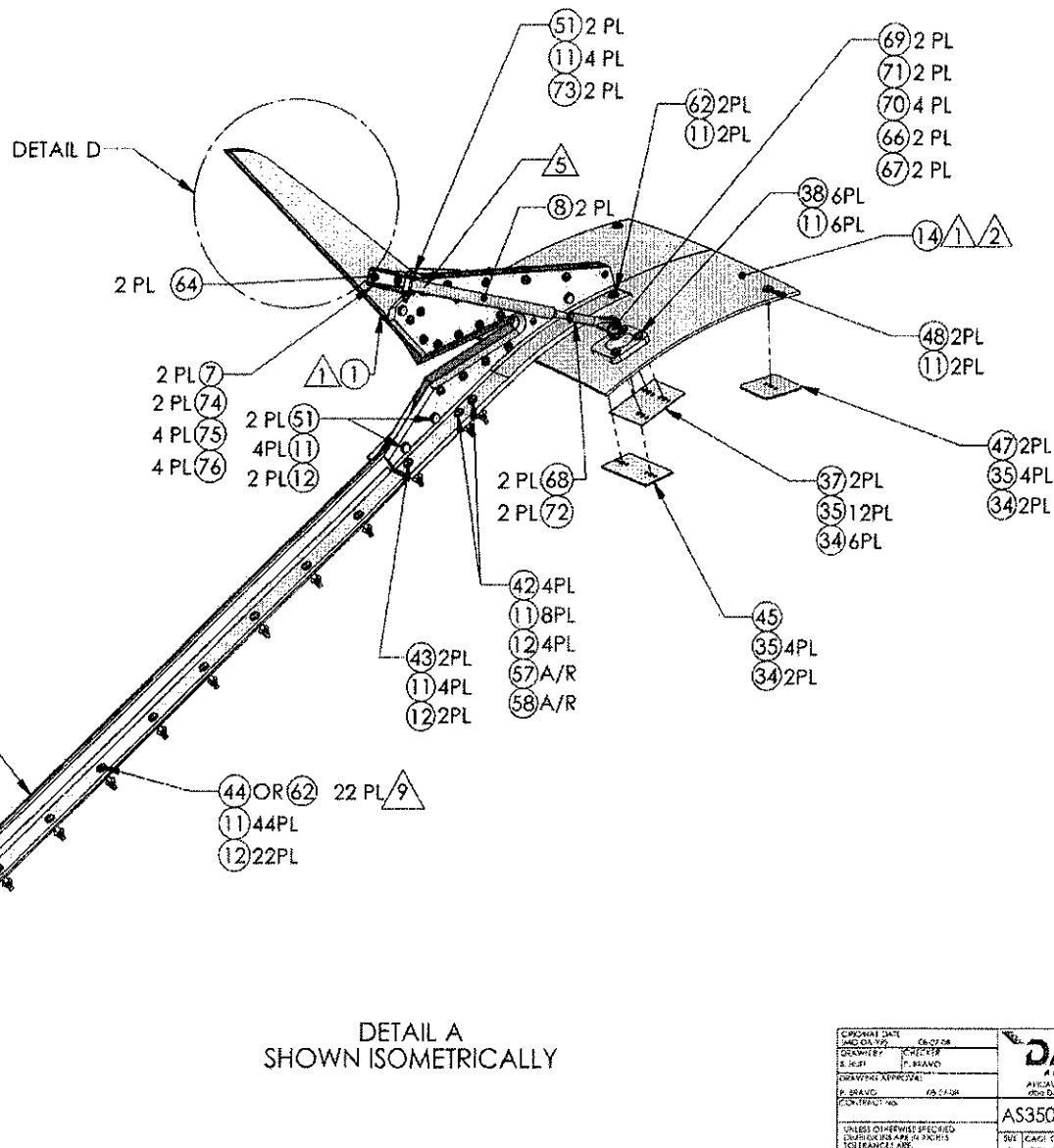
QTY		PARTS LIST	
NEXT ASSY (S)		AS350 CABLE CUTTERS KIT	
CHECKED DATE: 08/27/16 DRAWN BY: DIRECTOR P. BRAYO		 3330 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-724-5300	
DRAWING APPROVAL: P. BRAYO		101 (SAGE CODE) 07/02/16 07/02/16 646.4000 SCALE: NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1/8" = 1" UNLESS NOTED 1/16" = 1/8" UNLESS NOTED 1/32" = 1/16" UNLESS NOTED		REV. C SHEET 1 OF 3	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS
WRITTEN PERMISSION OF APICAL INDUSTRIES DART AEROSPACE IS PROHIBITED.



APPROVAL DATE (DATE) 06-07-09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300	
DRAWN BY: J. HOFF CHECKED BY: J. HOFF		AEROSPACE APICAL INDUSTRIES INC. DART AEROSPACE	
DRAWING APPROVAL: P. HOFF (DATE)		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		UNITARY COMPONENT SHOWN DIMENSIONS ARE IN INCHES 10 THIRDS ARE 2 PLACE DECIMALS ± 0.01 3 PLACE DECIMALS ± 0.005 UNLESS NOTED	
VPI: B CAGE CODE: 07M26	DWG. NO.: 646.4000	REV: C	SCALE: NONE SHEET: 2 OF 5

DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION



DETAIL A
SHOWN ISOMETRICALLY

C/CUSTOMER DATE		06-07-08	
NO. 04-19-07			
DRAWN BY: CHIFFER			
14. SIZE 17 INCH			
C/CUSTOMER DATE		06-07-08	
NO. 04-19-07			
P. BRAY			
C/CUSTOMER DATE		06-07-08	
NO. 04-19-07			



DART AEROSPACE
APACAL INDUSTRIES INC.
10000 DART AEROSPACE

3030 ENTERPRISE CT
SUITE A
VISTA, CA 92081
(760) 724-5380

AS350 CABLE CUTTERS KIT

SCALE	UNIT	SCALE CODE	SCALE NO.	REV
1/8"	INCHES	072M26	646.4000	1
SCALE NAME		SHEET		C OF
SCALE NO.		SHEET		C OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFCAI INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF AFCAI INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

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The drawing consists of four main views:

- DETAIL B LH SIDE SHOWN WITH AIRFRAME:** A large side view of the cutter assembly mounted on an airframe. It shows various structural components labeled with callouts such as 14PL(20), 15, 8PL(21), 4(2)PL, 19(4)PL, 11(8)PL, 12(4)PL, 24, 25, 11, 12, 61, 13, 2, 18, 51, 6PL, 11, 12PL, 12, 6PL, 29, 4PL, 17 OR 78, 5PL, 8, 12, 5PL, 36, 4PL, 11, 4PL, 35, 8PL, 34, 4PL, 19, 4PL, 11, 4PL, 35, 8PL, 34, 4PL, 17 OR 78, 5PL, 8, 12, 5PL, 36, 4PL, 11, 4PL, 35, 8PL, 34, 4PL. A "FWD" arrow points left.
- SECTION C-C:** A cross-sectional view at the bottom left showing components 22, 26, 11, 12, 23, and 27.
- SECTION D-D CUTTER HIDDEN FOR CLARITY:** A cross-sectional view at the top right showing components 32, 33, 3PL, 16, 28, 19 REF, 11 REF, 35 REF, 34 REF, 6, and 5.
- SECTION E-E:** A cross-sectional view at the bottom right showing components 4PL(31), 8PL(11), 4PL(12), 2PL(30), 4PL(29), and 28 REF.

DETAIL B
LH SIDE SHOWN WITH AIRFRAME

SECTION C-C

SECTION D-D
CUTTER HIDDEN FOR CLARITY

SECTION E-E

DATE	BY	CHECKED	APPROVED
07/17/76	J. LEB	P. SHAW	
DRAWING APPROVAL			
SCALE NONE			
SHEET 4 OF 5			

AFCAI INDUSTRIES DBA DART AEROSPACE
303G ENTERPRISE CT.
SUITE A
VISTA, CA. 92081
(760)-724-3300

AS350 CUTTERS KIT

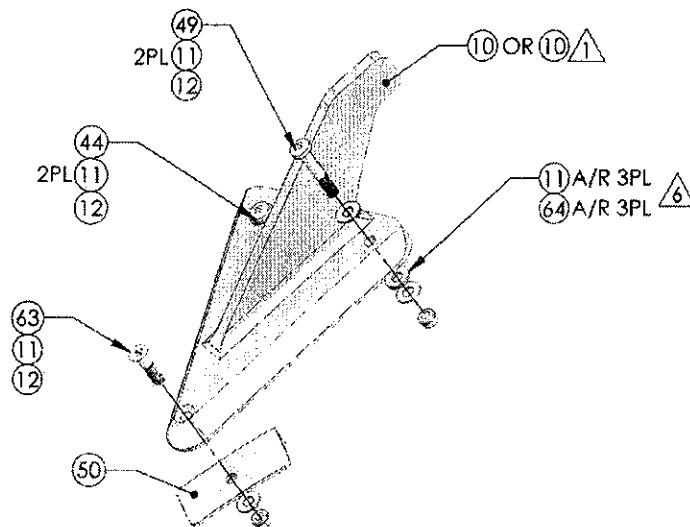
MFG. CAD/CAM DATE NO. REV.
B 07/17/76 646.4000 C

SECTION E-E

SECTION C-C

[illegible]

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
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DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

EXP. DATE: 08-27-08 INC. DA. 181 DRAWN BY: P. BRADY S. HART CHECKED: P. BRADY DRAWING APPROVAL: P. BRADY IN CHARGE: P. BRADY CONTRACT NO.		 DART AEROSPACE 3030 ENTERPRISE CT. SUITE A VISTA, CA. 92081 APICAL INDUSTRIES INC. 800-447-4474 760-724-5530	
AS350 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS WILL BE 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 3, 3 1/4, 3 1/2, 4, 4 1/4, 4 1/2, 5, 5 1/4, 5 1/2, 6, 6 1/4, 6 1/2, 7, 7 1/4, 7 1/2, 8, 8 1/4, 8 1/2, 9, 9 1/4, 9 1/2, 10, 11, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 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3754, 3756, 3758, 3760, 3762, 3764, 3766, 3768, 3770, 3772, 3774, 3776, 3778, 3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798, 3800, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, 3818, 3820, 3822, 3824, 3826, 3828, 3830, 3832, 3834, 3836, 3838, 3840, 3842, 3844, 3846, 3848, 3850, 3852, 3854, 3856, 3858, 3860, 3862, 3864, 3866, 3868, 3870, 3872, 3874, 3876, 3878, 3880, 3882, 3884, 3886, 3888, 3890, 3892, 3894, 3896, 3898, 3900, 3902, 3904, 3906, 3908, 3910, 3912, 3914, 3916, 3918, 3920, 3922, 3924, 3926, 3928, 3930, 3932, 3934, 3936, 3938, 3940, 3942, 3944, 3946, 3948, 3950, 3952, 3954, 3956, 3958, 3960, 3962, 3964, 3966, 3968, 3970, 3972, 3974, 3976, 3978, 3980, 3982, 3984, 3986, 3988, 3990, 3992, 3994, 3996, 3998, 4000, 4002, 4004, 4006, 4008, 4010, 4012, 4014, 4016, 4018, 4020, 4022, 4024, 4026, 4028, 4030, 4032, 4034, 4036, 4038, 4040, 4042, 4044, 4046, 4048, 4050, 4052, 4054, 4056, 4058, 4060, 4062, 4064, 4066, 4068, 4070, 4072, 4074, 4076, 4078, 4080, 4082, 4084, 4086, 4088, 4090, 4092, 4094, 4096, 4098, 4100, 4102, 4104, 4106, 4108, 4110, 4112, 4114, 4116, 4118, 4120, 4122, 4124, 4126, 4128, 4130, 4132, 4134, 4136, 4138, 4140, 4142, 4144, 4146, 4148, 4150, 4152, 4154, 4156, 4158, 4160			